

Title (en)  
Piperazine derivatives

Title (de)  
Piperazinderivate

Title (fr)  
Dérivés de pipérazine

Publication  
**EP 0481742 B1 19971126 (EN)**

Application  
**EP 91309509 A 19911016**

Priority  
GB 9022821 A 19901019

Abstract (en)  
[origin: EP0481742A1] Piperazine derivative of formula <CHEM> and the pharmaceutically acceptable acid addition salts, where A is an alkylene chain of 1 or 2 carbon atoms optionally substituted by one or more lower alkyl groups, m is 0, 1 or 2, R is hydrogen or lower alkyl, R<1> is aryl or a mono- or bicyclic heteroaryl radical, R<2> is hydrogen or lower alkyl, R<3> is a heteroaryl radical, R<4> is hydrogen, lower alkyl or aryl, and R<5> is hydrogen, lower alkyl, cycloalkyl, cycloalkyl(lower)alkyl, aryl, or aryl(lower)alkyl or R<4> and R<5> together with the nitrogen atom to which they are both attached represent a saturated heterocyclic ring which may contain a further hetero atom are 5-HT1A- binding agents and may be used, for example, as anxiolytics.

IPC 1-7  
**C07D 213/56**; **A61K 31/495**; **C07D 215/12**; **C07D 307/54**; **C07D 233/61**

IPC 8 full level  
**A61K 31/415** (2006.01); **A61K 31/44** (2006.01); **A61K 31/4402** (2006.01); **A61K 31/4409** (2006.01); **A61K 31/4418** (2006.01); **A61K 31/47** (2006.01); **A61K 31/495** (2006.01); **A61K 31/505** (2006.01); **A61P 9/12** (2006.01); **A61P 25/20** (2006.01); **A61P 25/24** (2006.01); **A61P 25/26** (2006.01); **C07D 213/56** (2006.01); **C07D 215/12** (2006.01); **C07D 231/12** (2006.01); **C07D 233/61** (2006.01); **C07D 239/26** (2006.01); **C07D 241/12** (2006.01); **C07D 249/04** (2006.01); **C07D 249/08** (2006.01); **C07D 257/04** (2006.01); **C07D 307/54** (2006.01); **C07D 333/24** (2006.01); **C07D 521/00** (2006.01)

CPC (source: EP US)  
**A61P 9/12** (2017.12 - EP); **A61P 25/04** (2017.12 - EP); **A61P 25/20** (2017.12 - EP); **A61P 25/24** (2017.12 - EP); **A61P 25/26** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 213/56** (2013.01 - EP US); **C07D 215/12** (2013.01 - EP US); **C07D 231/12** (2013.01 - EP US); **C07D 233/56** (2013.01 - EP US); **C07D 249/08** (2013.01 - EP US); **C07D 307/54** (2013.01 - EP US); **C07D 333/24** (2013.01 - EP US)

Cited by  
US5763460A; WO9502592A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0481742 A1 19920422**; **EP 0481742 B1 19971126**; AT E160562 T1 19971215; AU 642043 B2 19931007; AU 8591991 A 19920430; CA 2053705 A1 19920420; CA 2053705 C 20020212; DE 69128272 D1 19980108; DE 69128272 T2 19980319; DK 0481742 T3 19971229; ES 2109936 T3 19980201; GB 2254324 A 19921007; GB 2254324 B 19940622; GB 9022821 D0 19901205; GB 9121944 D0 19911127; GR 3025590 T3 19980331; HU 211588 A9 19951228; HU 217610 B 20000328; HU 913293 D0 19920128; HU T60261 A 19920828; IE 64632 B1 19950823; IE 913668 A1 19920422; JP 3012048 B2 20000221; JP H04288073 A 19921013; KR 100193927 B1 19990615; KR 920008020 A 19920527; NZ 240272 A 19921028; PT 99250 A 19920831; PT 99250 B 19990430; US 5169845 A 19921208

DOCDB simple family (application)  
**EP 91309509 A 19911016**; AT 91309509 T 19911016; AU 8591991 A 19911017; CA 2053705 A 19911018; DE 69128272 T 19911016; DK 91309509 T 19911016; ES 91309509 T 19911016; GB 9022821 A 19901019; GB 9121944 A 19911016; GR 970403242 T 19971203; HU 329391 A 19911018; HU 9500448 P 19950627; IE 366891 A 19911018; JP 26928991 A 19911017; KR 910018374 A 19911018; NZ 24027291 A 19911017; PT 9925091 A 19911017; US 76814691 A 19910930